

COLORADO DEPARTMENT OF TRANSPORTATION STAFF BRIDGE BRIDGE DESIGN MANUAL	Subsection: Revision Log Effective: July 24, 2012 Supersedes: May 1, 2009
REVISION LOG	

This revision log is a record of all the revisions to the Bridge Design Manual since October 1987. It shows the date of the current and previous versions of each Subsection, and the initials of the persons who wrote the Subsection for the Staff Bridge Engineer.

SECTION 1 - GENERAL POLICY AND PROVISIONS

- 1.1 CDOT BRIDGE DESIGN MANUAL
05/92 MAL 01/90 DJS 03/89 SLW
- 1.2 CDOT STAFF BRIDGE WORKSHEETS
05/92 MAL
- 1.3 PROJECT SPECIAL PROVISIONS
05/92 MAL

SECTION 2 - CLEARANCE AND GENERAL FEATURES OF DESIGN

- 2.1 BRIDGE RAILS
05/92 AJS
- 2.2 PEDESTRIAN BRIDGES AND PEDESTRIAN WALKWAYS
11/99 RLO/MAL 03/89 RWS 12/87 RWS
- 2.3 BRIDGE TYPICAL SECTIONS AND MINIMUM CLEARANCES
05/92 MAL 07/88 SLW
- 2.4 RAILROAD CLEARANCES
08/02 PJM 03/89 SLW 07/88 SLW
- 2.5 PROTECTIVE SCREENING, SPLASHBOARDS, AND DRAINS OVER RAILROADS
07/88 SLW
- 2.6 WIDTH OF ABUTMENT BERM
12/88 RWS
- 2.7 ACCESS FOR INSPECTION
05/92 MAL 11/91 MAL

SECTION 3 - DESIGN CRITERIA AND LOADS

- 3.1 STRUCTURAL CAPACITY
11/91 MAL 12/87 RWS
- 3.2 COLORADO PERMIT VEHICLE
11/99 MLM 05/92 MLM 07/88 MLM
- 3.3 COLLISION LOAD (CT)
05/2009 MLM

July 24, 2012	Revision Log	Page 2 of 5
---------------	--------------	-------------

SECTION 4 - FOUNDATIONS

- 4.1 PILING
11/87 BLP/RWS
- 4.2 CAISSON DESIGN
04/91 JMD

SECTION 5 - RETAINING WALLS

- 5.1 EARTH RETAINING WALL DESIGN REQUIREMENTS
10/91 STW 12/90 STW 11/87 RWS
- 5.2 CDOT PROCEDURES OF PROPRIETARY WALL APPROVAL
10/91 STW 12/90 STW
- 5.3 EARTH RETAINING WALL CLASSIFICATION
10/91 STW 12/90 STW
- 5.4 WALL SELECTION FACTORS AND PROCEDURES
05/92 STW 10/91 STW 12/90 STW
- 5.5 WORKSHEETS FOR EARTH RETAINING WALL TYPE SELECTION
10/91 STW 12/90 STW
- 5.6 EARTH RETAINING WALL MEASUREMENT AND PAYMENT
10/91 STW
- 5.7 REQUIREMENTS FOR CONSTRUCTION OF ALTERNATE WALLS
10/91 STW
- 5.8 REQUIREMENTS FOR ASSIGNING ALTERNATE WALLS
05/92 STW 10/91 STW
- 5.9 DESIGN PROCEDURES OF A CANTILEVER RETAINING WALL
10/91 STW

SECTION 6 - CULVERTS

SECTION 7 - SUBSTRUCTURES

- 7.1 WINGWALLS FOR U-TYPE ABUTMENTS
11/87 RWS
- 7.2 INTEGRAL ABUTMENTS
11/99 MLM 12/87 TCF/SLW
- 7.3 USE OF APPROACH SLAB
05/92 MAL 12/87 TCF/SLW
- 7.4 REINFORCED SOIL ABUTMENTS
11/11 LEC/STW

July 24, 2012	Revision Log	Page 3 of 5
---------------	--------------	-------------

SECTION 8 - REINFORCED CONCRETE

- 8.1 REINFORCED CONCRETE
06/89 MH 12/87 SLW
- 8.2 CONCRETE BRIDGE DECKS
12/91 MH 12/87 SLW/TCF
- 8.3 CONCRETE DECK FOR DOUBLE TREE AND PRECAST BOX GIRDERS
12/91 MH 12/87 SLW
- 8.4 GIRDERS
05/92 MAL 12/87 TCF/SLW
- 8.5 PIER CAP REINFORCING DETAILS
12/87 TCS/SLW
- 8.6 SPIRALS FOR ROUND COLUMNS
05/92 AJS

SECTION 9 - PRESTRESSED CONCRETE

- 9.1 DESIGN OF PRESTRESSED BRIDGES
07/12 MLM 08/02 MLM 06/98 MLM 05/92 MLM/MAL 03/89 MLM 10/87 MLM
- 9.2 PRECAST PRESTRESSED CONCRETE COMPOSITE BRIDGE DECK PANELS
11/91 MH/BLP
- 9.3 PRECAST GIRDER DESIGN AIDS
06/98 MLM

SECTION 10 - STEEL STRUCTURES

- 10.1 DESIGN OF STEEL BRIDGES
11/91 MAL 01/88 MC
- 10.2 BRACING FOR STEEL GIRDERS
11/91 MAL 01/88 MC
- 10.3 STRUCTURAL STEEL FRACTURE CRITICAL MEMBERS
11/91 MAL
- 10.4 AASHTO AND ASTM STRUCTURAL DESIGNATIONS
08/89 RRA

SECTION 13 - TIMBER STRUCTURES

July 24, 2012	Revision Log	Page 4 of 5
---------------	--------------	-------------

SECTION 14 - BEARINGS

- 14.1 BRIDGE BEARING FORCES
01/90 DJS
- 14.2 BEARING DEVICE TYPE I AND TYPE IV
08/02 RLO 05/92 MH 05/91 BLP 10/88 PKP/DLD
- 14.3 BEARING DEVICE TYPE II AND TYPE V
05/91 BLP 10/88 PKP/DLD
- 14.4 BEARING DEVICE TYPE III
10/88 BLP

SECTION 15 - JOINTS

- 15.1 BRIDGE DECK EXPANSION JOINTS
06/98 SLW 05/92 MAL 12/88 MAL
- 15.2 DESIGN PROCEDURE FOR 0" TO 4" EXPANSION DEVICE
12/88 GSM
- 15.3 DESIGN PROCEDURE FOR MODULAR EXPANSION DEVICE
07/89 BLP

SECTION 16 - HYDRAULICS AND DRAINAGE

- 16.1 BRIDGE DRAINAGE
11/99 DEC 01/90 PJM/AJS
- 16.2 DECK DRAINS
12/91 MH 12/87 TCF/SLW
- 16.3 SCOUR
05/92 AJS

SECTION 17 - UTILITIES, LIGHTING, AND SIGNS

- 17.1 TELEPHONE CONDUITS
03/89 DJS
- 17.2 UTILITY BLOCKOUTS
04/00 DEC 07/88 DJS
- 17.3 BRIDGE LIGHTING
01/90 DJS
- 17.4 SIGNS
03/00 RLO 10/98 RLO 01/90 DJS

July 24, 2012	Revision Log	Page 5 of 5
---------------	--------------	-------------

SECTION 18 - QUANTITIES AND COST ESTIMATING

- 18.1 COST ESTIMATING
01/90 DJS
- 18.2 COMPUTATION OF QUANTITIES
01/90 DJS
- 18.3 BID ITEMS AND QUANTITIES
03/89 EHH

SECTION 19 - PROJECT PROCEDURES AND PROCESSES

- 19.1 MINIMUM PROJECT REQUIREMENTS FOR MAJOR STRUCTURES
08/02 RLO 04/00 RLO/MAL 06/98 MAL 01/90 DJS
- 19.2 CONTRACTOR DRAWING SUBMITTALS
06/98 MAL 05/92 AJS
- 19.3 SELECTING BRIDGES FOR REHABILITATION OR REPLACEMENT
05/92 RRA
- 19.4 COORDINATION WITH HYDRAULICS DESIGN UNIT
05/92 RJS
- 19.5 OVERLAYS
04/00 RLO 01/90 DJS
- 19.6 LOCAL AGENCY PROJECTS, DEVELOPER PROJECTS & ACCESS PERMITS
07/12 MAL